BOOK

| s | | Contents | Reference to last Measurement |
|---|---|---|---|
| adth 5 | Depth 6 | 7 | 8 |
| | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424029

Serial No. Premeasurements:

Name of Work Improvements of ~~From~~ compound wall To in byatarayanapura sc's burial ground in ward no:07. byatarayanapura.

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Est cost:- | Rs.15.0 lakhs. | | | | | |
| | P-code:- | P1878. | | | | | |
| | Jobs code:- | 007-15-000052 | | | | | |
| | A.S.No:- | AS\|CE\|YNK\|172\|14-15; dt: 12-02-15 | | | | | |
| | T.S.No:- | ~~AS\|EE\|BTP\|~~ 377\|14-15; dt: 12-02-15 | | | | | |
| | Agr No:- | No Agr\|127\|16-17; dt: 06-10-16 | | | | | |
| | Work order No:- | No. BBMP\|EE\|BTP\|NO\|127\|16-17; dt: 06-10-16. | | | | | |
| | Work order amount:- | 1432441.79. | | | | | |
| | Agency:- | M/S. S.L.N. Constructions. | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | **Item No 01:-** Premeasurements recorded on: | | | | | | |
| | Earthwork excavation by manual means in ordinary soil involing an average horizontal throw upto 2m and an average lift upto 0.5m,.., | | | | | | |
| | For compound wall: [Byatarayanapura SC burial ground] | | | | | | |
| | | 01 | 63.0 | 0.90 | 0.90 = | 51.03 | |
| | | 03 | 35.0 | 0.60 | 0.75 = | 47.25 | |
| | For sanitary line: (Ayyappa temple road) Drain-desilting: | 01 | 30.0 | 0.60 | 0.60 = | 10.80 | |
| | | 01 | 37.0 | 0.60 | 0.60 = | 13.32 | |
| | | | | | | 122.40 cum | |
| | Qty Hd to 122.10 cum | | | | | | |

AE (W7)

M. A.
Mea

Serial No. .....
Name of Work ..... From.
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | **Item No 02:-** Premeasurements re | |
| | - Providing and laying r | |
| | including pointing ends, and | |
| | mortar 1:2: | 01 |
| | **Item No 03:-** Premeasurements | |
| | constructing brick mas | |
| | 450mm depth, (clear inside di | |

BOOK

| s | | Contents | Reference to last Measurement |
|---|---|---|---|
| adth 5 | Depth 6 | 7 | 8 |
| : | | | |
| means in ordinary soil | | | |
| w upto 2m and an average | | | |
| apura SC burial ground] | | | |
| ·90 | 0·90 = 51·03 | | |
| ·60 | 0·75 = 47·25 | | |
| ·60 | 0·60 = 10·80 | | |
| ·60 | 0·60 = 13·32 | | |
| | | 122·40 cum | |
| J. N·D | | | |
| E(WT) | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424030

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item. No·02:- Premeasurements recorded on: | | | | | | |
| | - Providing and laying reinforced cement concrete pipe NP3 for culverts | | | | | | |
| | including pointing ends, and fixing collars with collars with cement | | | | | | |
| | mortar 1:2: | 01 | 60.0 | - | - | = 60·0m | |
| | | | | | | Anplg. N·D AE(WT) | |
| | Item. No·03:- Premeasurements recorded on: | | | | | | |
| | constructing brick masonry inspection chamber 600x850mm, and | | | | | | |
| | 450mm depth, (clear inside dimension) for pipeline with three or more | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5m C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame (light duty), R.C.C top slab with cement concrete M15 with 20mm and down size granite metal foundation concrete M5 with 40mm and down size, including cost of materials, labour charges, curing complete as per specifications: | | | | | | |
| | | 8 | - | - | - | = 8 Nos | Nr Lp Wy. N.D AE(WT) |
| | Item No.4:- ~~At the rate of Rs:~~ Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms. in depth, compacting ...) Qty vide | Item. No 01 | → | 60 | cum | | Nr Lp Wy N.D AE(WT) |

Serial No. MAIN-BILL

Name of Work Date of recording: 02-

Name of Contractor of nature of Agency

Date of commencement of work

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |
| | Item.No.01:- Earthwork excavat an average horizontal th excavated surface levell be levelled neatly after Qty vide page At the rate of | |
| | Item. No.02:- Providing and laying | |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| th | Breadth 5 | Depth 6 | 7 | 8 |
| modular bricks of class designa- | | | | |
| cover with frame (light duty) | | | | |
| total weight of cover with | | | | |
| with cement concrete M15 with | | | | |
| tal foundation concrete M15 with | | | | |
| cost of materials, labour charges, | | | | |
| ons : | | | | |
| - - - | | | 8 NOS | Mr Lpw N.D AE(W) |
| earth (excluding rock) in sides | | | | |
| not exceeding 20cms. in depth, | | | | |
| 1 → | | | 69 cum | Mr Lpw N.D AE(W) |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

424031

Serial No. MAIN-BILL

Name of Work Date of recording: 02-04-18 From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item No. 01:- | | | | | | |
| | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. | | | | | | |
| | Qty vide page No. 4241/42402 g → | | | | | 122.10 cum | |
| | At the rate of Rs. 111.00 → | | | | | | 13562.80 |
| | Item No. 02:- | | | | | | |
| | Providing and laying reinforced cement concrete pipe NP3 for culverts | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | including pointing ends, and fixing collars with cement mortar 1:2, including cost of all materials, labour, curing complete., | | | | | | |
| | Qty vide page No. 4241/4240 30 → | | | | | 60m | |
| | At the rate of Rs. 3104.55 → | | | | | | 186273.00 |
| | Item No.03:- | | | | | | |
| | Constructing brick masonry inspection chamber 600x850mm, and 450mm depth, (clear inside dimension)., | | | | | | |
| | Qty vide page No. 4241/4240 30 → | | | | | 8 NOS | |
| | At the rate of Rs. 9101.68 → | | | | | | 72813.40 |
| | Item No.04:- | | | | | | |
| | Filling available excavated earth (excluding rock) in sides | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |
| | sides of foundations upto p | |
| | compacting each deposite | |
| | upto 50m and lift upto 1.5m | |
| | specifications. | |
| | Qty vide page No. 42 | |
| | At the rate of Rs: 1 | |
| | Item No.05:- | |
| | Providing and constru | |
| | compressive strength not les | |
| | masonry (quoin, jamb clo | |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| th | Breadth 5 | Depth 6 | 7 | 8 |
| ng | collars with cement mortar | | | |
| s, | labour, curing complete., | | | |
| 424030 → | 60m | | | |
| → | | | | 186273.00 |
| | inspection chamber 600x850mm, | | | |
| imension)., | | | | |
| 24030 → | 8 NOS | | | |
| 8 → | | | | 72813.40 |
| ed | earth (excluding rock) in sides | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424032

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications. | | | | | | |
| | Qty vide page No. 4241 \| 424030 → | | | | 60cum | | |
| | At the rate of Rs: 124.68 → | | | | | | 7480.80 |
| | Item No.05:- | | | | | | |
| | Providing and constructing precast concrete solid blocks with compressive strength not less than 5.5 newton sq mm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 40x20x20 cms confirming to IS 2185/1965 in superstructure including cost of materials labour charges. | | | | | | |
| | | 01 | 63.0 | - | 1.5 | = 94.50 | |
| | (Repairs on opp side) | 01 | 20.0 | - | 1.5 | = 30.0 | |
| | | 01 | 18.0 | - | 1.5 | = 27.0 | |
| | | | | | | 151.50 Sq.m | |
| | Qty ltd to 150.75 Sqm | | | | | | |
| | At the rate of Rs. 1042.78 → | | | | | | 157199 / 15798 1.00 |
| | Item No 06:- Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in course not less than 15cm high, bond stones at 2m apart in each course. | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Nur |
|---|---|---|
| 1 | 2 | |
| | For foundation Repairs: | 01 01 |
| | At the rate of R | |
| | Item No 07:- Providing and layin OPC cement @ 300kgs with 20 aggregates @ 0.69 cum an sier @ 3lts confirming to I concrete layers not exceedi Plinth and cills including co | |

ENT BOOK

| imensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| h | Breadth 5 | Depth 6 | 7 | 8 |
| 1965 in | | Superstructure including | | |
| 0 | - | 1·5 = | 94·50 | |
| | - | 1·5 = | 30·0 | |
| | - | 1·5 = | 27·0 | |
| | | | 151·50 Sq.m | |
| m) | | | | 157199 |
| 42·78 → | | | | 15798 1·00 |
| ranite/trap/basalt size stone | | | | |
| ent mortar 1:6, stone hammered | | | | |
| 15cm high, bond stones at 2m | | | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B 424033**

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | For foundation | 01 | 63·0 | 0·60 | 0·60 | = 22·68 | |
| | Repairs: | 01 | 6·0 | 0·60 | 0·60 | = 2·16 | |
| | | | | | | 24·84 cum | |
| | At the rate of Rs. 4679·05 → | | | | | | 116227·50 |
| | Item No 07:- Providing and laying position plain cement concrete of mix M20 with opc cement @ 300kgs with 20mm down size grade granite metal course aggregates @ 0·69 cum and fine aggregates @ 0·43 cum with superplasticiser @ 3lts confirming to IS 9103-1999, Reaffirmed 2008 machine mixed concrete layers not exceeding 15cm thick well compacted in foundation plinth and cills including cost of all materials: | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | On - foundation: | 01 | 63.0 | 0.60 | 0.10 = | 3.78 | |
| | ~~On - compound wall:~~ | ~~01~~ | ~~63.0~~ | ~~0.60~~ | ~~0.10~~ = | ~~3.78~~ | NDP ~~AE(1.17)~~ |
| | | | | | | 3.78 cum | |
| | Qty ltd to 6.77 cum | | | | | | |
| | At the rate of Rs: 6142.22 → | | | | | | 23218.00 |
| | Item. No. 10:- | | | | | | |
| | Providing and fixing to wall, ceiling and floor high density polyethelene pipes 6.0 Kgs/sqcm working pressure 32mm outside diameter raising mains & exposed distribution pipes with special flange compression type fitting, wall clips making good the wall, ceiling and floor including cost of all materials labour charges HOM of equipments.. | | | | | | |

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | 2-Burial grounds: | 01 |
| | Zonal office pipeline - repairs: | 01 |
| | | 01 |
| | | 01 |
| | At the rate of Rs. 8 | |
| | Item. No. 11:- | |
| | Providing and fixing to w pipes 6.00 Kgs/sqcm working p exposed distribution pipes wit wall clips making good the | |

## EMENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| 63·0 | 0·60 | 0·10 = | 3·78 | |
| ~~63·0~~ | ~~0·60~~ | ~~0·10~~ = | ~~3·78~~ ~~3·78~~ cum | NDP ~~DE~~ (LH) |
| | | | | 23218·00 |
| 2 → | | | | |
| wall, ceiling and floor high density | | | | |
| working pressure 32mm outside | | | | |
| posed distribution pipes with | | | | |
| e fitting, wall clips making good | | | | |
| including cost of all materials | | | | |
| ments..) | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424034

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | 2-Burial grounds: | 01 | 80 | - | - | = 80·0 | |
| | Zonal office pipeline - repairs: | 01 | 60 | - | - | = 60·0 | |
| | | 01 | 90 | - | - | = 90·0 | |
| | | 01 | 60 | - | - | = 60·0 | |
| | | | | | | 290·0 m | |
| | | | C&FX 9/05 | | | | 233708·10 |
| | At the rate of Rs. 805·89 → | | | | | | |
| | Item No. 11:- Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6·00 kgs/sqcm working pressure 32mm outside diameter raising mains exposed distribution pipes with special flange compression type fitting, wall clips making good the wall, ceiling and floor including cost of | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | all materials labour charges: | 01 | 50.0 | - | - | = 50.0m | |
| | At the rate of Rs: 385.38 → | | | | | | 19269.00 |
| | Item. No.12:- Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung / top fully openable as per approved drawings. | | | | | | |
| | Zonal office-repairs: At the rate of Rs. 4098.59 → | 2 | 2.10 | - | 1.80 | = 7.50 sq.m | 30739.40 |
| | Item. No.15:- Providing and fixing in position shutters for doors made out of honey wood styles and rails of 40mm thick with bottom & locks | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | rails 180mm wide top |
| | Zonal office-toilet doors:- 94 |
| | At the rate |
| | Item. No.14:- Geophysical survey (Sc-burial ground) |
| | At the rate of |
| | Item. No.15:- Sinking of borewell |

BOOK

| s | | Contents | Reference to last Measurement |
|---|---|---|---|
| adth 5 | Depth 6 | 7 | 8 |
| | - | = 50.0m | 19269.00 |
| | | cement concrete | 1:3:6 steel |
| ng | | top fully openable as | |
| | 1.50 | = 7.50 sq.m | 30739.40 |
| | | shutters to doors made out | |
| | | thick with bottom & locks | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424035

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | rails 180mm wide top rail and styles 100mm wide as per drawing: | | | | | | |
| | Zonal office-toilet doors: | 6 | 1.20 | - | 0.75 | = 5.40 sqm | |
| | | Qty 4 Ltd to | 5.28 sqm | | | | 20742.80 |
| | At the rate of Rs. | | 3928.57 → | | | | |
| | Item. No. 14:- | | | | | | |
| | Geophysical survey Investigation of site for sinking borewell., | | | | | | |
| | (Sc- burial ground) | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. | | 1994.05 → | | | | 1994.05 |
| | Item. No. 15:- | | | | | | |
| | Sinking of borewell of 165mm clear using fast hydraulic rig of | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | of capacity 250 PSIG and above 900 CMF & above in all strata including over burden upto 22m tering of casing pipes, collars & erap with necessary cutting and threading including transportation of rig and supporting vehicles, service charges and cost of consumable including yield testing at the final depth., | | | | | | |
| | 0-50m | 01 | 50.0 | @ 301.21 → | | | 15060.50 |
| | 50-100m | 01 | 50.0 | @ 397.76 → | | | 19888.00 |
| | 100-150m | 01 | 50.0 | @ 442.89 → | | | 22144.50 |
| | 150-200m | 01 | 50.0 | @ ~~538.39~~ 486.97 → | | | 24348.50 |
| | 200-250m | 01 | 50.0 | @ 538.39 → | | | 2691.95 ~~26919~~ |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | Item. No 21:- Supply of IS2 mark grade of steel fe 410 of and manufactured by random length of 5 to 7m |
| | At the rate |
| | Item. No 22:- Providing 175mm dia |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| gth | Breadth 5 | Depth 6 | 7 | 8 |
| 900 CMF & above in all strata | | | | |
| ring of casing pipes, collars & | | | | |
| threading including transportation | | | | |
| (excl charges and cost of | | | | |
| sting at the final depth., | | | | |
| ·0 | @ 301·21 → | | | 15060·50 |
| ·0 | @ 397·76 → | | | 19888·00 |
| ·0 | @ 442·89 → | | | 22144·50 |
| ·0 | @ 486·97 538·39 → | | | 24348·50 |
| ·0 | @ 538·39 → | | | 2691·95 26919 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424036

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item. No. 23:- Supply of ISI mark 175mm nominal bore, plain end steel casing pipe- grade of steel fe 410 of wall thickness 5·4mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7m, both ends threaded confirming to IS 554/1985., | 01 | 40·0 | - | - = | 40·0m | 55623·50 |
| | At the rate of Rs. | | 1390·59 → | | | | |
| | Item. No. 24:- Providing 175mm dia MS collar: | 06 | - | - | - = | 06·0 Nos | |

MENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| → | | | | 944.58 |
| cap. | | | | |
| - | - | - | = 01 NO | |
| → | | | | 104.95 |
| te brand new texmo make | | | | |
| in 150mm dia., Borewell | | | | |
| multistage cf pump close coupled | | | | |
| pling to suitable HP suitable | | | | |
| filled with pure drinking water | | | | |
| nersible induction motor., | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424037

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. 54574.0 → | | | | | | 54574.00 |
| | Item. No. 27:- | | | | | | |
| | Supplying and drawing 3 core flat PVC shalled submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor to table 3 class 5 of IS 8130-1984. | | | | | | |
| | Qty ltd to 296.00 m | 01 | 410 | - | - | = 410.0m | |
| | At the rate of Rs. 158.47 → | | | | | | 46907.10 |
| | Item. No. 28:- | | | | | | |
| | Supplying and fixing | 50mm | non-return | valve of | vertical | type of | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | approved make including cost of all materials labour HOM of equipment with all leads complete as per specification. | | | | | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. | 1605.74 → | | | | | 1605.70 |
| | Item. No. 29:- | | | | | | |
| | Supplying and fixing 50 mm GM Gate vavle. | | | | | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. | 1500.79 → | | | | | 1500.79 |
| | Item. No. 30:- | | | | | | |
| | Supplying and fixing 160mm borewell cap with clamped. | | | | | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. | 724.16 → | | | | | 724.10 |

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | Item. No. 31:- | |
| | Supplying and fixing 50 | |
| | | 1x2 |
| | At the rate of Rs. 12 | |
| | Item. No. 34:- | |
| | Supplying and fixing 5 | |
| | | 01 |
| | At the rate of Rs: 25 | |
| | Item. No 37:- | |
| | Supplying and fixing | |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| gth 4 | Breadth 5 | Depth 6 | 7 | 8. |
| all materials labour HOM of | | | | |
| plete as per specification. | | | | |
| - | - | = | 01 NO | 1605.70 |
| M Gate valve. | | | | |
| - | - | = | 01 NO | 1500.79 |
| n borewell cap with clamped. | | | | |
| - | - | = | 01 NO | 724.10 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424038

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item. No. 35:- | | | | | | |
| | Supplying and fixing 50mm GI elbow: | | | | | | |
| | | 1x1 | - | - | - | = 2 NOS | 252.06 |
| | At the rate of Rs. 125.94 → | | | | | | |
| | Item. No. 36:- | | | | | | |
| | Supplying and fixing 50mm GI union: | | | | | | |
| | | 01 | - | - | - | = 01 NO | 257.13 |
| | At the rate of Rs: 257.13 → | | | | | | |
| | Item. No 37:- | | | | | | |
| | Supplying and fixing GI collar heavy duty: | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 35·0 | – | – | – | = 35·0 NOS | 49589·00 |
| | At the rate of Rs. | 1416·83 → | | | | | |
| | Item No. 34:– | | | | | | |
| | Supplying and delivery at site brand new star/essen/lotus/ sunshine/ Adharsh/ GK control best indigenous make combined energy meter cum control panel board unit: | | | | | | |
| | | 01 | – | – | – | = 01·0 NO | 10495·00 |
| | At the rate of Rs: | 10495·0 | | | | | |
| | Item No. 35:– | | | | | | |
| | Providing and fixing of 50mm G.I. pipe 'c' class heavy duty for erection of submersible pumpset. | | | | | | |
| | | 210 | – | – | – | = 210 mtr | 88765·00 |
| | At the rate of Rs: | 422·68 → | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | Item No. 36:– |
| | Erection of combi and labour including type etc.) complete. |
| | At the rate |
| | Item No. 37:– |
| | Supplying of TPS 15/32 amps. |
| | At the rate |

BOOK

| ons | | Contents | Reference to last Measurement |
|---|---|---|---|
| eadth 5 | Depth 6 | 7 | 8 |
| - | - | = 35·0 NOS | 49589·00 |
| rand new star/esse | n/lotus/ | | |
| ndigenous make combined | | | |
| d unit: | | | |
| - | - | = 01·0 NO | 10495·00 |
| G.I. pipe 1" class heavy duty | | | |
| - | - | = 250mtr | 8765·00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

424039

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item No. 30:- Erection of combined panel board and meter unit necessary materials and labour including providing cement concrete foundation bed cont dows type etc., complete. | 01 | - | - | - | = 01 NO | 498·51 |
| | At the rate of Rs: | | 498·51 → | | | | |
| | Item No. 31:- Supplying of 7PST with rewirable porcelen channels in SM enclosed 15/32 amps. | 01 | - | - | - | = 01 NO | 1416·83 |
| | At the rate of Rs: | | 1416·83 → | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item No 38:- | | | | | | |
| | Supplying and fixing 500x500x 65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the value using through bolts and nuts. | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. 288.61 → | | | | | | 288.61 |
| | Item No 39:- | | | | | | |
| | Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50Hz. | 03 | - | - | - | = 03 NO | |
| | At the rate of Rs: 367.33 → | | | | | | 1101.99 |

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Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | Item No 40:- | |
| | Supplying and drawing the conduct (open or conce | 20.0 |
| | At the rate of Rs. 26. | |
| | Item No 41:- | |
| | Supplying, fixing and confirming to IS 2834, 3 ph improvement of rotating ma | 01 |

ENT BOOK

| mensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| n | Breadth 5 | Depth 6 | 7 | 8 |
| ox 65mm polished wood board plank on front plank one end fixing the same of the value | - | - | = 01 NO | 288.61 |
| e panel board indicating able for 220 V AC 50Hz. | - | - | = 03 NO | 1111.99 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424040

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item. No 40:- Supplying and drawing each PVC insulated 650/1100V grade wire in the conduct (open or concealed system of wiring). At the rate of Rs. 26.24 → | 20.0 | - | - | - | = 20.0 NOS | 524.80 |
| | Item. No 41:- Supplying, fixing and wiring heavy duty low voltage capacitors confirming to IS 2834, 3 phase 400/440 volts grade for power factor improvement of rotating machinery capacitor in KVAR: | 01 | - | - | - | = 01 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | At the rate of Rs. | 367.33 → | | | | | 367.33 |
| | Item. NO.42:- | | | | | | |
| | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete., | | | | | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs. | 1128.21 → | | | | | 1128.21 |
| | Item. NO.43:- | | | | | | |
| | Supplying, fixing wiring earth electrode for grounding conduits, LE cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. the pit should be filled with equal proportion of silt and charcoal 150mm around the pipe., | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | At the rate |
| | Item. NO.44:- |
| | Supplying and |
| | less than 3.25mm on |
| | At the rate of |
| | Item. NO.45:- |
| | Supply 1.1 KV c |
| | board including ea |

**BOOK**

| ...ions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| | | | 367·33 |
| ...e circuit breakers on | | | |
| ...sing necessary fixing | | | |
| - | - | = 01 NO | 1128·21 |
| ...th electrode for grounding | | | |
| ...equipments on the meter | | | |
| ...K GI pipe 2·50m long | | | |
| ...illed with equal proportion | | | |
| ...nd the pipe, | | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 424041

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 01 | - | - | - | = 01 NO | 1574·25 |
| | At the rate of Rs. 1574·25 → | | | | | | |
| | Item. NO 44:- | | | | | | |
| | supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3·25mm on pole. | 10.0 | - | - | - | = 10 NOS | 2308·90 |
| | At the rate of Rs: 230·89 → | | | | | | |
| | Item. NO 45:- | | | | | | |
| | supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoration 4 core 16 sqmm. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 01 | 35.0 | - | - | = 35.0m | ~~187.75~~ 5510.00 |
| | At the rate of Rs. | 157.45 → | | | | | |
| | Item. NO-47:- | | | | | | |
| | Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., | | | | | | |
| | | 01 | 30.0 | - | - | = 30.0m | 1574.00 |
| | At the rate of Rs: | 52.48 → | | | | | |
| | Item. NO. 48:- | | | | | | |
| | Supply and fixing LT cast iron pot heads suitable for 1.1 kV class UG cable filled with necessary bitumen / insulating compand complete with terminals, clamps, bolts, nuts, washers etc., | | | | | | |
| | | 01 | - | - | - | = 01 NO | 251.88 |
| | At the rate of Rs. | 251.88 → | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | Item. NO. 49:- |
| | supplying and fi |
| | new wooden panel usin |
| | At the rate of Rs |
| | Item. NO. 50:- |
| | cutting of road |
| | excavated stuff as dire |
| | At the rate of Rs |

IT BOOK

| ensions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| - | - = | 35·0m | ~~187·75~~ 5510·00 |
| deep x 0·5m wide refilling the | | | |
| slidating etc.,) | | | |
| - | - = | 30·0m | 1574·00 |
| n pol heads suitable for 1·1 kv | | | |
| bitumen insulating compound | | | |
| , nuts, washers etc., | | | |
| - | - = | 01 NO | 251·88 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424042

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item. No. 49:- | | | | | | |
| | supplying and fixing of porcelain fuse channel with cut-out on existing/ | | | | | | |
| | new wooden panel using necessary nuts, bolts and washers etc., | | | | | | |
| | | 6·0 | - | - | - = | 6·0 Nos | 1379·00 |
| | At the rate of Rs. 229·84 → | | | | | | |
| | Item. No. 50:- | | | | | | |
| | cutting of road surface for pipeline trenches and disposing of the | | | | | | |
| | excavated stuff as directed including barricading, danger lighting etc, | | | | | | |
| | | 01 | 50·0 | 0·30 | 0·15 = | 2·25 cum | 1173·90 |
| | At the rate of Rs. 521·75 → | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item. NO. 52:- | | | | | | |
| | Earthworks excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width,..) | 01 | 50.0 | 0.30 | 0.30 | = 4.50 cum | |
| | At the rate of Rs. 208.03 → | | | | | | 936.00 |
| | Item. NO. 53:- | | | | | | |
| | Providing and installing at site of work P.V.C pipes including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges. | | | | | | |

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | including encasing the pipe gravel or selected earth ava | 01 |
| | At the rate of Rs: 12 | |
| | Item. NO. 54:- | |
| | Refilling available ear exceeding 30cms in depth., | Qty w |
| | At the rate of Rs. 55. | |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measureme |
|---|---|---|---|---|
| ngth 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | | | | |
| oundation of buildings water | | | | |
| ectrical conduits either in pits or | | | | |
| dth ,,) | | | | |
| 0·0 | 0·30 | 0·30 = | 4·50 cum | |
| → | | | | 936·00 |
| | | | | |
| at site of work P.V.C pipes | | | | |
| ials and labour including | | | | |
| g true to line, level and perfect | | | | |
| including jointing of approved | | | | |
| lift charges, handling charges. | | | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

424043

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation: | 01 | 50·0 | - | - | = 50·0m | |
| | At the rate of Rs: 122·79 → | | | | | | 6139·50 |
| | Item No 94:- | | | | | | |
| | Refilling available earth around pipe lines, cables in layers not exceeding 30cms in depth., | | | | | | |
| | Qty vide Item No 47 → | | | | | 4·50 cum | |
| | At the rate of Rs. 55·62 → | | | | | | 250·29 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item No.51:- | | | | | | |
| | Transportation of pumping machineries: | | | | | | |
| | | 02 | - | - | - | = 02 NOS | |
| | At the rate of Rs: 892.08 | | | | | | 1784.00 |
| | Item No.52:- | | | | | | |
| | Erection of pumping machineries: | | | | | | |
| | | 01 | - | - | - | = 01 NO | |
| | At the rate of Rs: 892.08 | | | | | | 892.08 |
| | | | | | | | 9950.00 |
| | ADD BESCOM CHARGES:- | | | | | | |
| 27/4/18 | Receipt No. 65954069932 9 → | | 8,160.00 | | | | |
| | 65954066839 6 → | | 100.00 | | | | |
| | Drill no: 03993 → | | 1730.00 | | | | |

C&Rc

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |
| | | |

Certificate:-

1) Certified that the contr

Apply. N.D
AE(WS)

T BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| hineries: | | | |
| - | - = | 02 NOS | 1784.00 |
| : | | | |
| - | - = | 01 NO | 892.08 |
| | | | 9950.00 |
| 0.00 | | | |
| .00 | | | |
| 0.00 | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 424044

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | | | | | 1342022.60 | |

Asst. Exe. Engr. N.D
AE(W) 2/4/18

Certificate:-

1) Certified that the contractor has done the work satisfactorily.

Asst. Exe. Engr. N.D
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | Total Rs. | 1341234-00 | |
| | | | | | IT- | 26840-00 | |
| | | | | | Cess- | 13420-00 | |
| | | | | | CBF- | 1342-00 | |
| | | | | | LR- | 4026-00 | |
| | | | | | Fine- | 894 | |
| | | | | | | 8972-00 | |
| | | | | | Adjt- | 54000-00 | |
| | | | | | Cheque- | 1286634-00 | |

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 1341234-00
ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 54000-00
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1286634-00
ರೂ Rs: Twelelakhs eighty Six thousand Six hundred thirty four only.
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ.
ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಜಿಲ್ಲಾ ಪಂಚಾಯತ್
ಬೆಳಗಾವಿ

M.

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Numb |
|---|---|---|
| 1 | 2 | 3 |